

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12427 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See [axaff12427N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0549362949729

## Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

seq_num	401168	Sequence number
obs_id	12427	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	Dr. John Tomsick	Principal investigator
object	IGR J16413-4046	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.337083	Observer's specified target RA [deg]
dec_targ	-40.781	Observer's specified target Dec [deg]
ra_nom	250.34141374545	Nominal RA [deg]
dec_nom	-40.773889010481	Nominal Dec [deg]
roll_nom	49.752127890321	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5054.9362902045	Sum of GTIs [s]
livetime	4990.9276431807	Livetime [s]
ontime0	5054.8131701946	Sum of GTIs [s]
ontime1	5054.8542101979	Sum of GTIs [s]
ontime2	5054.8952502012	Sum of GTIs [s]
ontime3	5054.9362902045	Sum of GTIs [s]
ontime6	5055.0183702111	Sum of GTIs [s]
ontime7	5054.9773302078	Sum of GTIs [s]
l2events	35170	Number of level 2 events

